brenner metal products corp.

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SERVICE MANUAL

TABLE, OPERATING, FIELD
NSN 6530-00-709-8175

CONTRACT

~~DLA120-81-C-4871~~
DLA120-84-C-4146
DLA120-84-C-4462
DLA120-84-C-4878

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Boiler Cleaning & Specialty Corp.
CHEMICAL CLEANING
1014 West 41st Street
Norfolk, Virginia 23508
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I General

This "FIELD OPERATING TABLE" consists of a table top supported by an adjustable leg assembly, the table top is constructed in four sections:

Removable Headrest
Back Section
Seat Section
Leg Section

The table top can be placed into the following operative position:

Tredelenberg
Tredelenberg with legs extended
Reverse with legs extended
Genito-Urinary
Straight Chair

The carrying case is constructed so that it can be used as an instrument and supply table.

The table accessories are stored in two canvas pouch inserts:

Pouch for leg holders
Pouch for small accessories

Each table is provided with the following removable accessories:

One set of adjustable shoulder supports
One angulating anesthetist's screen
One set of lithotomy leg holders
One adjustable footrest
Four litter supports
One set of wristlets with adjustable holders
Six accessory support sockets
Hand crank

II Installation and Assembly

Removal from carrying case:

1. Open carrying case lids
2. Unbuckle the straps holding the table down in its carrying case
3. Remove component parts and pouches
4. Remove table from carrying case
5. Case may be turned upside down for use as an instrument and supply table

Assembly of Table

1. Holding the table in an upright position:

   a. Spread the triangular leg assembly
   b. Drop the telescoping rod bolted to the leg section brace

c. Fasten other end of rod to the head-end brace by means of the spring-loaded lock provided

Slide hand crank over the shaft extending from the gear boxes on either side of the table and turn the crank to bring the body section of the table to the horizontal position.

2. To bring leg section to horizontal position:

a. With one hand grasp the cross rod of the leg section supporting brace (located just below cut out of the seat section) and pull it up and towards the seat cut out, holding it there while...
b. The other hand presses the leg section release handle against the underside of the foot end of the leg section and pushes the entire leg section straight up in its vertical plane.
c. With the leg section held up, push the cross rod of the supporting brace downward and under the seat section and bring leg section carefully up the horizontal position, removing hand from leg section release handle.

CAUTION: If leg section does not move freely to the horizontal position, do not force it. Indications are that it has not been raised high enough to allow its hinge shaft to rotate in the top circular ends of the slotted castings at the sides of the seat section.

Attachment of Accessories

1. Slide leg holder sockets with tee-handle screws attached over the side rails of the table from the head end and position at the leg end of the seat section.

2. Slide wristlet assemblies over the side rails from the head end of the table and fasten with the thumbscrews provided.
3. Slide combination anesthetist's screen and shoulder support holders over the side rails at the head end of the table so that the small thumbscrews are located at the bottom of the assembly, where they will contact the undersurfaces of the screen when it is inserted.

4. Slip the screen in the round holes of the holders and fasten with the thumbscrews.

5. Place short ends of shoulders supports angle bars in the slotted holes of the holders at the head end with the long ends of the bars extending laterally over top of table.

6. Slip shoulder supports over long ends of angle bars and fasten with thumbscrews provided.

7. Slide foot rest sockets with small thumbscrews attached over the side rails at the foot end of the leg section.

8. Slip foot rest into the foot rest sockets and fasten with thumbscrews.

9. Insert leg holder rods with straps attached into the leg holder sockets at the leg end of the seat section and fasten securely with the tee-handle screws.

10. Slip head rest rods into the two holes in the head end of the back section and fasten with the thumbscrews provided directly under the back section.

11. Adjustable cups to hold the stirrups of litter necessitate removal of foot rest and shoulder supports. The cups are then inserted in the four empty sockets and spaced properly along the side rails to receive the four stirrups of a litter.

III Operation

A. Elevation

1. Lifting the spring loaded pin of the telescoping rod assembly and

2. Increasing or decreasing the spread of the triangular leg assembly to one of the six different points at which the pin will engage one of the six holes in the shaft of the telescoping rod assembly.

B. Head Rest

1. Tilt the head rest by pulling out the finger-tip handle on the underside and pushing the head rest up or down to desired angle.

2. Extend or remove the head rest by loosening the thumb-screws on the underside of the back section and moving the head rest in or out to the desired position.

C. Anesthetist's Screen

1. Longitudinal adjustment of the screen is accomplished by sliding the socket assembly back or forth on the side rails or by sliding the screen back and forth in its sockets.

2. Angular adjustment of the screen is accompished by loosening the hand screws on the socket assembly and tilting the screen to desired angle.

D. Shoulder Supports

1. Longitudinal adjustment of shoulder supports is accomplished by sliding the socket assembly along the side rails of the back section.

2. Lateral adjustment of shoulder supports is accomplished by loosening thumbscrew on each and sliding along mounting bar to desired position

E. Wristlets

1. Longitudinal adjustment of wristlets is accomplished by loosening the thumbscrew on their mounting and sliding along the side rails of the seat to desired position.

F. Leg Holders

1. Elevation of leg holders may be adjusted by loosening the tee-handle screws and sliding the rods up or down to the desired height.

2. Longitudinal and lateral adjustments of the leg holder can be made by loosening the tee-handle screw and either sliding the mounting sockets forward or backwards or rotating the leg holder.

G. Foot rest

1. Longitudinal adjustment of foot rest is accomplished by loosening thumbscrews on the mounting sockets and sliding them along the side rails to desired position.

H. Back Section

1. To raise back section above horizontal, lift it manually to a 10°, 25°, 45°, or 65°angle as desired, where it will be held in position by a ratchet and pawl assembly.

2. To lower back section, lift the ratchet assembly and lower back section to desired position.

I. Seat Section

1. Trendelenberg and reverse Trendelenberg of seat section and entire table top is accomplished by slipping the hand crank on the shaft extending from the gear box on either side of the table and turning in either direction to give the desired angle.

J. Leg Section

1. Lower leg section below horizontal by pressing leg section release handle against the underside of the foot end of the leg section and allowing the leg section to drop to desired position.

2. Raise leg section by merely pulling it up manually. It will be held in position by the ratchet and pawl assembly.

IV Maintenance

A. Aluminum, plate or stainless steel parts and surfaces can be kept clean by wiping with a damp cloth or mild detergent.

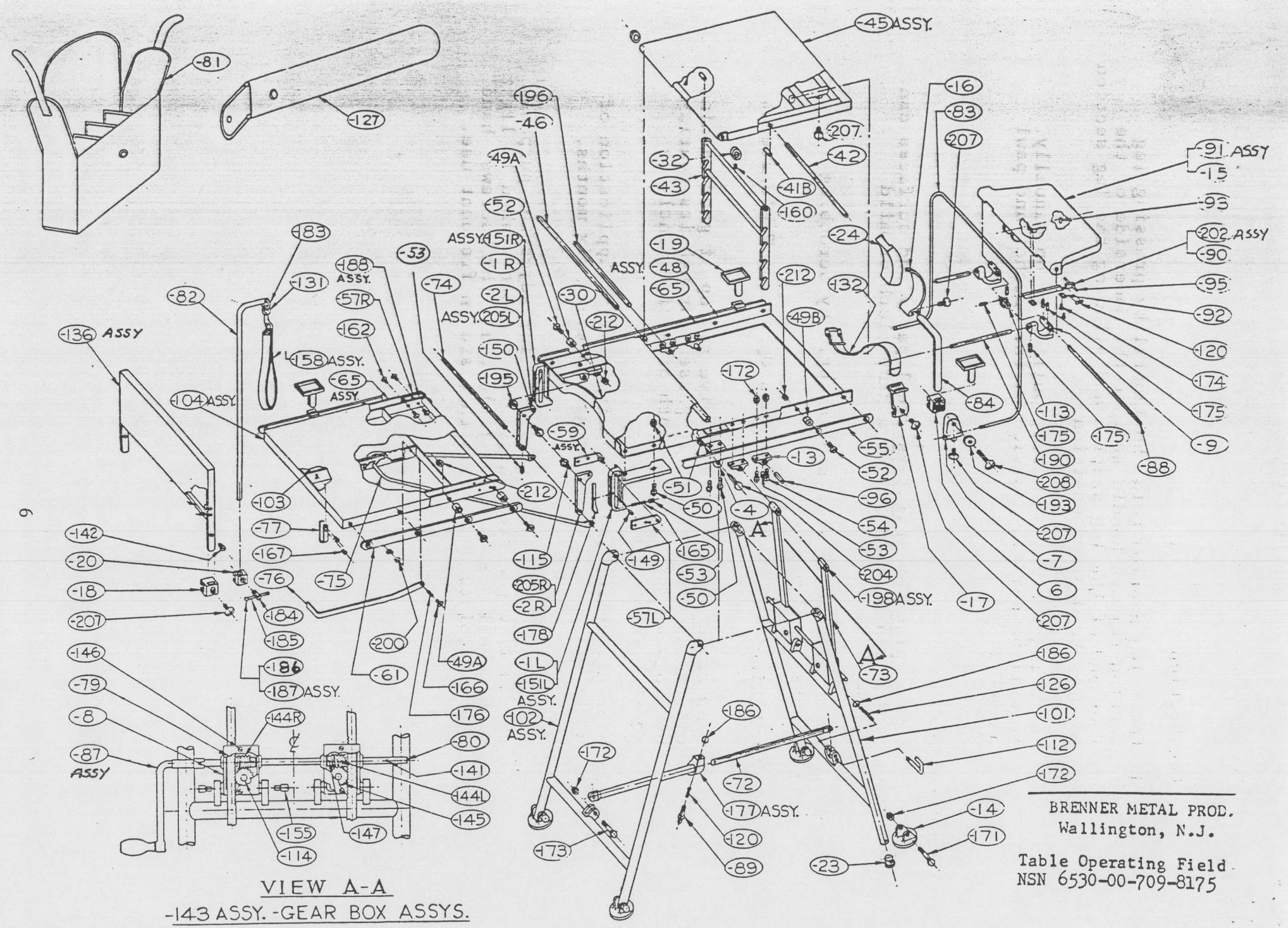
B. Cloth accessories can be kept aseptic by scrubbing frequently with mild soap suds.

C. Lubrication requirements for this Operating Table are as follows:

1. Hand crank shaft should receive a drop of good machine oil at the points where it passes through its bearing housings at least once amonth or as frequently as weather conditions demand.

2. Gear assemblies should receive a light application of light weight non staining grease every six months.

3. Threaded and moving parts used for adjusting purposes should be wiped frequently with a cloth soaked in light machine oil. Such parts include all thumbscrews, hand screws, joints and levers that are in frequent use.



VIEW A-A

-143 ASSY. -GEAR BOX ASSYS.

BRENNER METAL PROD.
Wallington, N.J.

Table Operating Field
NSN 6530-00-709-8175

PART NO OT-671	QTY	DESCRIPTION
-1	1L-1R	Slotted Hinge
-2	1L-1R	Brace Fitting
-4	2	Leg Support Fitting
-6	2	Inner Fitting
-7	2	Outer Fitting
-8	1L-1R	Gear Box Housing
-9	2	Head Rest Fitting
-13	4	Support Fitting
-14	4	Floor Plate
-15	1	Head Rest
-16	2	Shoulder Rest Support
-17	2	Wristlet Support
-18	2	Foot Rest Socket
-19	4	Litter Cup
-20	2	Leg Holder Socket
-23	4	Leg Plug
-24	2	Shoulder Pad
-29	1	Main Frame
-30	1	Seat Section Cover
-32	2	Back Section Bushing
-33	1	Back Section Frame
-41	2	Spacer Tube
-42	1	Back Sect Ratchet Shaft
-43	1	Back Sect Ratchet
-45**	1	Back Sect Assy
-46	1	Back Sect Shaft
-48**	1	Table Top Assy
-49A	14	Side Rail Spacer
-49B	6	Side Rail Spacer
-50	8	Hex Hd M/S 5/16-18 x 1
-51	4	ESNA Nut 5/16-18
-52	20	F/H M/S 5/16-18 x 1¼
-53	6	Set Screw ¼-20 x ¼
-54	8	Hex Hd M/S ¼-20 x 7/8
-55	2	Back Rail
-57	1L-1R	Hinge Plate
-59	1L-1R	Hinge Plate Assy
-61	2	Front Rail
-72	1	Telescoping Rod
-73	2	Gear Rack
-74	1	Brace Shaft
-75	1	Ratchet Bar
-76	1	Ratchet Bar Release
-77	1	Ratchet Keeper
-79	1L-1R	Gear Box Cover
-80	1	Gear Box Shaft
-81	1	"H" Pouch
-82	2	Leg Holder
-83	1	Screen Holder
-84	2	Shoulder Support Angle
-87**	1	Handcrank Assy
-88	1	Headrest Shaft
-89	1	Detent
-91**	1	Headrest Assy
-92	2	Pawl Retaining Plate
-93	1	Spring Retaining Pin
-96	2	Back Sect Ratchet Rod
-101	1	Gear Box Leg Weldment
-102	1	Front Leg Weldment
-104**	1	Leg Sect Assy
-112	1	Positive Lock
-113	1	Ratchet Wheel
-114	2	Spur Gear Shaft
-115	2	Stripper Bolt ½-13 x ½
-120	1	Compression Spring
-126	1	Compression Spring
-127	1	"G" Pouch
-131	2	Eyebolt Swivel
-132	2	Strap
-136**	1	Foot Rest Assy
-141	2	Roll Pin
-142	2	Fill Hd M/S 10-32 x ¼
-143**	2	Gear Box Assy
-144	1L-1R	Worm Gear
-145	2	Spur Gear
-146	4	Pan Hd M/S ¼-20 x ½
-147	5	Roll Pin 3/16 x 3/4
-149	2	Roll Pin 1/8 x ½
-150	2	Bullet Catches
-151**	1L-1R	Hinge Assy
-155	4	Skt Hd Cap Sc 3/8-16 x 5/8
-158	2	Straps
-162	8	F/H M/S 10-32 x ¼
-165	2	Compression Springs
-166	1	Truss Hd M/S 8-32 x 5/8
-167	2	Pan Hd M/S 8-32 x 7/16
-171	4	Hex Hd M/S ¼-20 x 2
-172	13	ESNA Nut ¼-20
-173	1	Hex Hd M/S ¼-20 x 1½
-174	4	R/H M/S 10-32 x 3/8
-175	5	Roll Pin 3/16 x 1
-176	1	Bushing
-177**	1	Tube Assy
-178	2	Trigger
-183	2	Leg Holder Ring
-184	2	Locking Stud
-185	2	Leg Holder Handle
-186	6	Ball
-187**	1	Handle Assy
-190	2	Head Rest Rod
-193	2	Special Knurled Nut
-195	2	Flat Washer ½ x 1
-196	1	Upper Shaft
-198**	1	Rack Assy
-202**	1	Head Rest Pawl Assy
-204	2	Hex Hd M/S 3/8-16 x 3
-205**	1L-1R	Brace Assy
-207	10	Thumb Screw ¼-20 x 2
-208	2	Thumb Screw ¼-20 x 2
-212	22	Jam Nut 5/16-18

**Identifies Assemblies

Assemblies and Components Thereof

Assy No.	Part No.	Description
OT-671-45		Back Section Assembly
	-33	frame
	-39	cover
OT-671-48		Table Top Assembly
	-30	cover
	-65	frame
OT-671-87		Hand Crank Assembly (inseperable)
OT-671-91		Head Rest Assembly
	-9	fittings
	-15	head rest
	-88	shaft
	-90	pawl
	-92	plate
	-93	pin
	-95	handle
	-113	ratchet
	-120	spring
	-174	screw
	-175	pin
	-190	rod
OT-671-104		Leg Section Assembly
	-65	frame
	-103	cover
OT-671-136		Foot Rest Assembly (inseperable)
OT-671-143		Gear Box Assembly
	-79	cover
	-80	shaft
	-111	housing
	-146	screw
OT-671-151		Hinge Assembly
	-1	hinge
	-53	set screw
	-149	pin
	-165	spring
	-178	trigger
OT-671-177		Tube Assembly
	-89	lock
	-120	spring
	-186	ball
OT-671-187		Handle Assembly
	-184	stud
	-185	handle
	-186	balls
OT-671-198		Rack Assembly (inseperable)
OT-671-202		Pawl Assembly
	-90	pawl
	-95	handle
OT-671-205		Brace Assembly

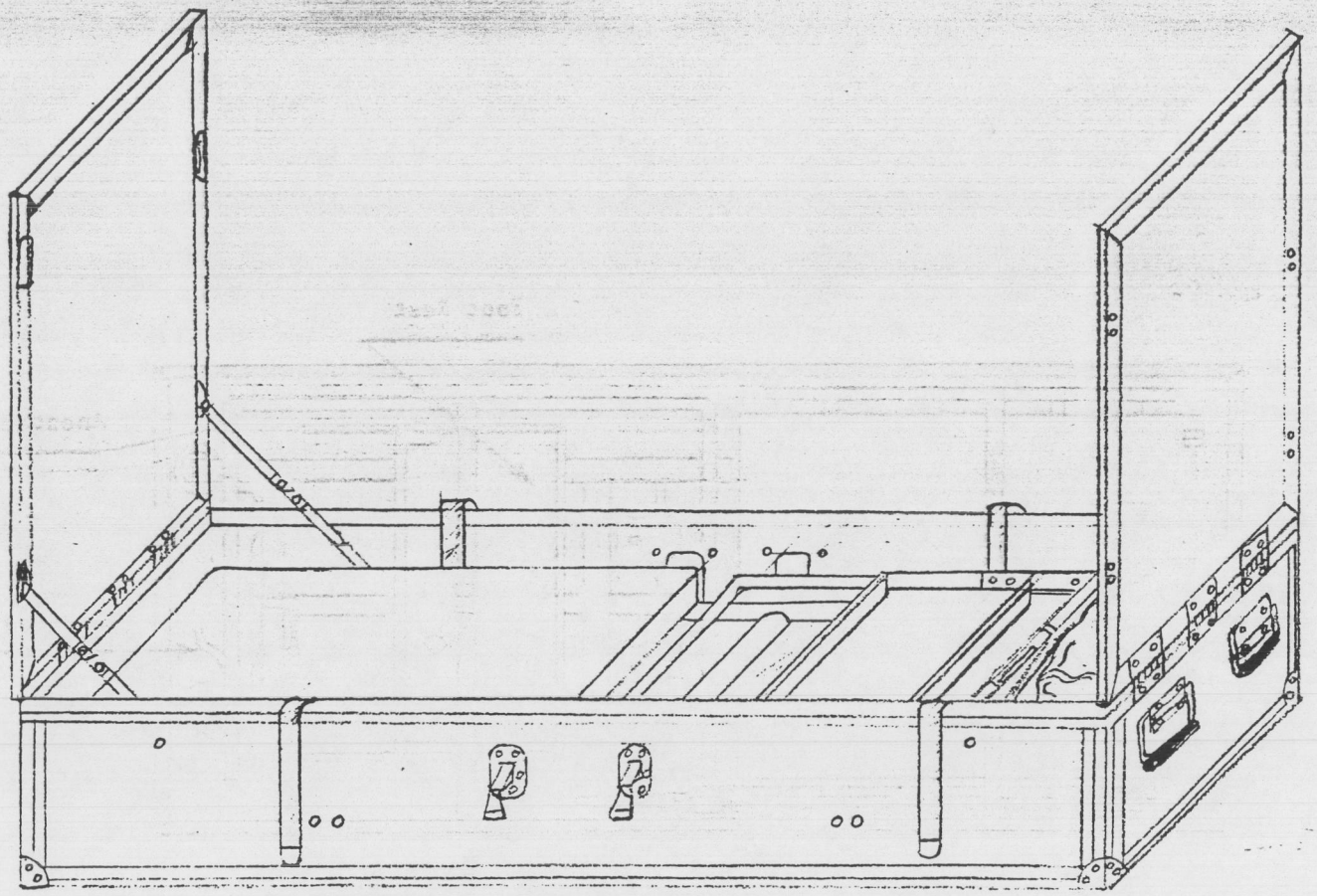


Illustration for Positioning of Table
During Packing and Un-Packing

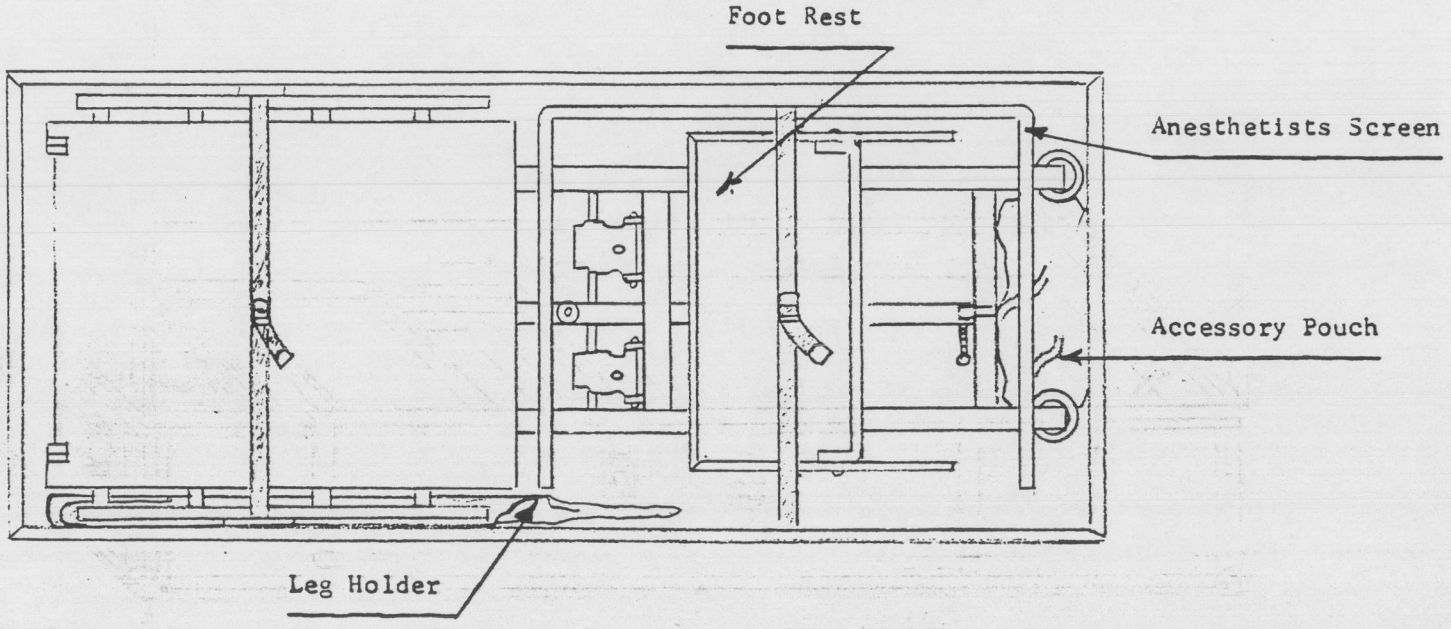
Brenner Metal Products Corp
16 Main Avenue
Wallington, N.J.

Table, Operating, Field

NSN 6530-00-709-8175

Service Data

Sheet 1 of 2



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